

OM protein - protein search, using sw model
 Copyright (c) 1993 - 2004 Compugen Ltd.
 GenCore version 5.1.6
 Run on: April 29, 2004, 14:59:54 ; Search time 3 Seconds
 (without alignments)
 4.215 Million cell updates/sec
 Title: Perfect score: 798
 Sequence: 1 MEIJKFVALGLISAVLSS..... VYAPNKLQLDNAVSMGVGSC 148

Scoring table: BLOSUM62
 Gapop 10.0 , Gapext 0.5

Searched:

497 seqs, 85440 residues

Total number of hits satisfying chosen parameters: 497

Minimum DB seq length: 0
 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
 Maximum Match 100%

Listing First 45 summaries

Database : US08487032A.dep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	775	97.1	170	US-08-487-032A-764
2	125.5	15.7	80	Sequence 764, APP
3	93.5	11.7	157	US-08-487-032A-403
4	67.5	8.5	325	US-08-487-032A-833
5	64	8.0	264	US-08-487-032A-498
6	55.5	7.0	560	US-08-487-032A-708
7	52.5	6.6	343	US-08-487-032A-632
8	49	6.1	1	US-08-487-032A-595
9	49	6.1	155	US-08-487-032A-777
10	49	6.1	1178	US-08-487-032A-73
11	45	5.8	214	US-08-487-032A-663
12	46	5.8	325	US-08-487-032A-671
13	44.5	5.6	199	US-08-487-032A-551
14	44	5.6	237	US-08-487-032A-882
15	44	5.5	308	US-08-487-032A-573
16	44	5.5	421	US-08-487-032A-779
17	43.5	5.5	1	US-08-487-032A-639
18	43	5.4	210	US-08-487-032A-725
19	43	5.4	496	US-08-487-032A-629
20	42.5	5.3	187	US-08-487-032A-445
21	42.5	5.3	237	US-08-487-032A-625
22	42	5.3	164	US-08-487-032A-817
23	42	5.3	422	US-08-487-032A-548
24	41.5	5.2	509	US-08-487-032A-384
25	41	5.1	121	US-08-487-032A-658
26	41	5.1	162	US-08-487-032A-612
27	41	5.1	702	US-08-487-032A-585
28	40.5	5.1	1740	US-08-487-032A-854
29	40	5.0	133	US-08-487-032A-548
30	40	5.0	179	US-08-487-032A-853
31	40	5.0	1	US-08-487-032A-751
32	40	5.0	313	US-08-487-032A-535
33	4.9	1	US-08-487-032A-626	

RESULT 1
 US-08-487-032A-764
 Sequence 764, Application US/08487032A
 GENERAL INFORMATION:
 APPLICANT: DOUGLAS SMITH
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO HELICOBACTER PYORI FOR DIAGNOSTICS AND THERAPEUTICS
 TITLE OF INVENTION: NUMBER OF SEQUENCES: 810
 NUMBER OF SEQUENCES: 810
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: LAHTIVE & COCKFIELD
 STREET: 60 State Street
 CITY: Boston
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02109-1875
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08487,032A
 FILING DATE: 07-JUNE-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Mandragouras, Amy E.
 REGISTRATION NUMBER: 36,207
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617)227-7400
 TELEFAX: (617)227-5941
 INFORMATION FOR SEQ ID NO: 764:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 170 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 HYPOTHETICAL: YES
 ORIGINAL SOURCE:
 ORGANISM: Helicobacter pylori
 US-08-487-032A-764

Query Match: 97.1%; Score 775; DB 1; Length 170;
 Best Local Similarity 98.6%; Pred. No. 3.4e-70; Matches 144; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
 Sequence 817, APP
 Sequence 548, APP
 Sequence 384, APP
 Sequence 698, APP
 Sequence 612, APP
 Sequence 585, APP
 Sequence 854, APP
 Sequence 386, APP
 Sequence 853, APP
 Sequence 751, APP
 Sequence 535, APP
 Sequence 626, APP
 Sequence 560, APP
 Sequence 503, APP
 Sequence 815, APP
 Sequence 574, APP
 Sequence 786, APP
 Sequence 413, APP
 Sequence 571, APP
 Sequence 404, APP
 Sequence 703, APP
 Sequence 601, APP
 Sequence 490, APP
 Sequence 519, APP
 Sequence 556, APP
 Sequence 557, APP
 Sequence 558, APP
 Sequence 559, APP
 Sequence 560, APP
 Sequence 561, APP
 Sequence 562, APP
 Sequence 563, APP
 Sequence 564, APP
 Sequence 565, APP
 Sequence 566, APP
 Sequence 567, APP
 Sequence 568, APP
 Sequence 569, APP
 Sequence 570, APP
 Sequence 571, APP
 Sequence 572, APP
 Sequence 573, APP
 Sequence 574, APP
 Sequence 575, APP
 Sequence 576, APP
 Sequence 577, APP
 Sequence 578, APP
 Sequence 579, APP
 Sequence 580, APP
 Sequence 581, APP
 Sequence 582, APP
 Sequence 583, APP
 Sequence 584, APP
 Sequence 585, APP
 Sequence 586, APP
 Sequence 587, APP
 Sequence 588, APP
 Sequence 589, APP
 Sequence 590, APP
 Sequence 591, APP
 Sequence 592, APP
 Sequence 593, APP
 Sequence 594, APP
 Sequence 595, APP
 Sequence 596, APP
 Sequence 597, APP
 Sequence 598, APP
 Sequence 599, APP
 Sequence 600, APP
 Sequence 601, APP
 Sequence 602, APP
 Sequence 603, APP
 Sequence 604, APP
 Sequence 605, APP
 Sequence 606, APP
 Sequence 607, APP
 Sequence 608, APP
 Sequence 609, APP
 Sequence 610, APP
 Sequence 611, APP
 Sequence 612, APP
 Sequence 613, APP
 Sequence 614, APP
 Sequence 615, APP
 Sequence 616, APP
 Sequence 617, APP
 Sequence 618, APP
 Sequence 619, APP
 Sequence 620, APP
 Sequence 621, APP
 Sequence 622, APP
 Sequence 623, APP
 Sequence 624, APP
 Sequence 625, APP
 Sequence 626, APP
 Sequence 627, APP
 Sequence 628, APP
 Sequence 629, APP
 Sequence 630, APP
 Sequence 631, APP
 Sequence 632, APP
 Sequence 633, APP
 Sequence 634, APP
 Sequence 635, APP
 Sequence 636, APP
 Sequence 637, APP
 Sequence 638, APP
 Sequence 639, APP
 Sequence 640, APP
 Sequence 641, APP
 Sequence 642, APP
 Sequence 643, APP
 Sequence 644, APP
 Sequence 645, APP
 Sequence 646, APP
 Sequence 647, APP
 Sequence 648, APP
 Sequence 649, APP
 Sequence 650, APP
 Sequence 651, APP
 Sequence 652, APP
 Sequence 653, APP
 Sequence 654, APP
 Sequence 655, APP
 Sequence 656, APP
 Sequence 657, APP
 Sequence 658, APP
 Sequence 659, APP
 Sequence 660, APP
 Sequence 661, APP
 Sequence 662, APP
 Sequence 663, APP
 Sequence 664, APP
 Sequence 665, APP
 Sequence 666, APP
 Sequence 667, APP
 Sequence 668, APP
 Sequence 669, APP
 Sequence 670, APP
 Sequence 671, APP
 Sequence 672, APP
 Sequence 673, APP
 Sequence 674, APP
 Sequence 675, APP
 Sequence 676, APP
 Sequence 677, APP
 Sequence 678, APP
 Sequence 679, APP
 Sequence 680, APP
 Sequence 681, APP
 Sequence 682, APP
 Sequence 683, APP
 Sequence 684, APP
 Sequence 685, APP
 Sequence 686, APP
 Sequence 687, APP
 Sequence 688, APP
 Sequence 689, APP
 Sequence 690, APP
 Sequence 691, APP
 Sequence 692, APP
 Sequence 693, APP
 Sequence 694, APP
 Sequence 695, APP
 Sequence 696, APP
 Sequence 697, APP
 Sequence 698, APP
 Sequence 699, APP
 Sequence 700, APP
 Sequence 701, APP
 Sequence 702, APP
 Sequence 703, APP
 Sequence 704, APP
 Sequence 705, APP
 Sequence 706, APP
 Sequence 707, APP
 Sequence 708, APP
 Sequence 709, APP
 Sequence 710, APP
 Sequence 711, APP
 Sequence 712, APP
 Sequence 713, APP
 Sequence 714, APP
 Sequence 715, APP
 Sequence 716, APP
 Sequence 717, APP
 Sequence 718, APP
 Sequence 719, APP
 Sequence 720, APP
 Sequence 721, APP
 Sequence 722, APP
 Sequence 723, APP
 Sequence 724, APP
 Sequence 725, APP
 Sequence 726, APP
 Sequence 727, APP
 Sequence 728, APP
 Sequence 729, APP
 Sequence 730, APP
 Sequence 731, APP
 Sequence 732, APP
 Sequence 733, APP
 Sequence 734, APP
 Sequence 735, APP
 Sequence 736, APP
 Sequence 737, APP
 Sequence 738, APP
 Sequence 739, APP
 Sequence 740, APP
 Sequence 741, APP
 Sequence 742, APP
 Sequence 743, APP
 Sequence 744, APP
 Sequence 745, APP
 Sequence 746, APP
 Sequence 747, APP
 Sequence 748, APP
 Sequence 749, APP
 Sequence 750, APP
 Sequence 751, APP
 Sequence 752, APP
 Sequence 753, APP
 Sequence 754, APP
 Sequence 755, APP
 Sequence 756, APP
 Sequence 757, APP
 Sequence 758, APP
 Sequence 759, APP
 Sequence 760, APP
 Sequence 761, APP
 Sequence 762, APP
 Sequence 763, APP
 Sequence 764, APP
 Sequence 765, APP
 Sequence 766, APP
 Sequence 767, APP
 Sequence 768, APP
 Sequence 769, APP
 Sequence 770, APP
 Sequence 771, APP
 Sequence 772, APP
 Sequence 773, APP
 Sequence 774, APP
 Sequence 775, APP
 Sequence 776, APP
 Sequence 777, APP
 Sequence 778, APP
 Sequence 779, APP
 Sequence 780, APP
 Sequence 781, APP
 Sequence 782, APP
 Sequence 783, APP
 Sequence 784, APP
 Sequence 785, APP
 Sequence 786, APP
 Sequence 787, APP
 Sequence 788, APP
 Sequence 789, APP
 Sequence 790, APP
 Sequence 791, APP
 Sequence 792, APP
 Sequence 793, APP
 Sequence 794, APP
 Sequence 795, APP
 Sequence 796, APP
 Sequence 797, APP
 Sequence 798, APP
 Sequence 799, APP
 Sequence 800, APP
 Sequence 801, APP
 Sequence 802, APP
 Sequence 803, APP
 Sequence 804, APP
 Sequence 805, APP
 Sequence 806, APP
 Sequence 807, APP
 Sequence 808, APP
 Sequence 809, APP
 Sequence 810, APP
 Sequence 811, APP
 Sequence 812, APP
 Sequence 813, APP
 Sequence 814, APP
 Sequence 815, APP
 Sequence 816, APP
 Sequence 817, APP
 Sequence 818, APP
 Sequence 819, APP
 Sequence 820, APP
 Sequence 821, APP
 Sequence 822, APP
 Sequence 823, APP
 Sequence 824, APP
 Sequence 825, APP
 Sequence 826, APP
 Sequence 827, APP
 Sequence 828, APP
 Sequence 829, APP
 Sequence 830, APP
 Sequence 831, APP
 Sequence 832, APP
 Sequence 833, APP
 Sequence 834, APP
 Sequence 835, APP
 Sequence 836, APP
 Sequence 837, APP
 Sequence 838, APP
 Sequence 839, APP
 Sequence 840, APP
 Sequence 841, APP
 Sequence 842, APP
 Sequence 843, APP
 Sequence 844, APP
 Sequence 845, APP
 Sequence 846, APP
 Sequence 847, APP
 Sequence 848, APP
 Sequence 849, APP
 Sequence 850, APP
 Sequence 851, APP
 Sequence 852, APP
 Sequence 853, APP
 Sequence 854, APP
 Sequence 855, APP
 Sequence 856, APP
 Sequence 857, APP
 Sequence 858, APP
 Sequence 859, APP
 Sequence 860, APP
 Sequence 861, APP
 Sequence 862, APP
 Sequence 863, APP
 Sequence 864, APP
 Sequence 865, APP
 Sequence 866, APP
 Sequence 867, APP
 Sequence 868, APP
 Sequence 869, APP
 Sequence 870, APP
 Sequence 871, APP
 Sequence 872, APP
 Sequence 873, APP
 Sequence 874, APP
 Sequence 875, APP
 Sequence 876, APP
 Sequence 877, APP
 Sequence 878, APP
 Sequence 879, APP
 Sequence 880, APP
 Sequence 881, APP
 Sequence 882, APP
 Sequence 883, APP
 Sequence 884, APP
 Sequence 885, APP
 Sequence 886, APP
 Sequence 887, APP
 Sequence 888, APP
 Sequence 889, APP
 Sequence 890, APP
 Sequence 891, APP
 Sequence 892, APP
 Sequence 893, APP
 Sequence 894, APP
 Sequence 895, APP
 Sequence 896, APP
 Sequence 897, APP
 Sequence 898, APP
 Sequence 899, APP
 Sequence 900, APP
 Sequence 901, APP
 Sequence 902, APP
 Sequence 903, APP
 Sequence 904, APP
 Sequence 905, APP
 Sequence 906, APP
 Sequence 907, APP
 Sequence 908, APP
 Sequence 909, APP
 Sequence 910, APP
 Sequence 911, APP
 Sequence 912, APP
 Sequence 913, APP
 Sequence 914, APP
 Sequence 915, APP
 Sequence 916, APP
 Sequence 917, APP
 Sequence 918, APP
 Sequence 919, APP
 Sequence 920, APP
 Sequence 921, APP
 Sequence 922, APP
 Sequence 923, APP
 Sequence 924, APP
 Sequence 925, APP
 Sequence 926, APP
 Sequence 927, APP
 Sequence 928, APP
 Sequence 929, APP
 Sequence 930, APP
 Sequence 931, APP
 Sequence 932, APP
 Sequence 933, APP
 Sequence 934, APP
 Sequence 935, APP
 Sequence 936, APP
 Sequence 937, APP
 Sequence 938, APP
 Sequence 939, APP
 Sequence 940, APP
 Sequence 941, APP
 Sequence 942, APP
 Sequence 943, APP
 Sequence 944, APP
 Sequence 945, APP
 Sequence 946, APP
 Sequence 947, APP
 Sequence 948, APP
 Sequence 949, APP
 Sequence 950, APP
 Sequence 951, APP
 Sequence 952, APP
 Sequence 953, APP
 Sequence 954, APP
 Sequence 955, APP
 Sequence 956, APP
 Sequence 957, APP
 Sequence 958, APP
 Sequence 959, APP
 Sequence 960, APP
 Sequence 961, APP
 Sequence 962, APP
 Sequence 963, APP
 Sequence 964, APP
 Sequence 965, APP
 Sequence 966, APP
 Sequence 967, APP
 Sequence 968, APP
 Sequence 969, APP
 Sequence 970, APP
 Sequence 971, APP
 Sequence 972, APP
 Sequence 973, APP
 Sequence 974, APP
 Sequence 975, APP
 Sequence 976, APP
 Sequence 977, APP
 Sequence 978, APP
 Sequence 979, APP
 Sequence 980, APP
 Sequence 981, APP
 Sequence 982, APP
 Sequence 983, APP
 Sequence 984, APP
 Sequence 985, APP
 Sequence 986, APP
 Sequence 987, APP
 Sequence 988, APP
 Sequence 989, APP
 Sequence 990, APP
 Sequence 991, APP
 Sequence 992, APP
 Sequence 993, APP
 Sequence 994, APP
 Sequence 995, APP
 Sequence 996, APP
 Sequence 997, APP
 Sequence 998, APP
 Sequence 999, APP
 Sequence 1000, APP
 Sequence 1001, APP
 Sequence 1002, APP
 Sequence 1003, APP
 Sequence 1004, APP
 Sequence 1005, APP
 Sequence 1006, APP
 Sequence 1007, APP
 Sequence 1008, APP
 Sequence 1009, APP
 Sequence 1010, APP
 Sequence 1011, APP
 Sequence 1012, APP
 Sequence 1013, APP
 Sequence 1014, APP
 Sequence 1015, APP
 Sequence 1016, APP
 Sequence 1017, APP
 Sequence 1018, APP
 Sequence 1019, APP
 Sequence 1020, APP
 Sequence 1021, APP
 Sequence 1022, APP
 Sequence 1023, APP
 Sequence 1024, APP
 Sequence 1025, APP
 Sequence 1026, APP
 Sequence 1027, APP
 Sequence 1028, APP
 Sequence 1029, APP
 Sequence 1030, APP
 Sequence 1031, APP
 Sequence 1032, APP
 Sequence 1033, APP
 Sequence 1034, APP
 Sequence 1035, APP
 Sequence 1036, APP
 Sequence 1037, APP
 Sequence 1038, APP
 Sequence 1039, APP
 Sequence 1040, APP
 Sequence 1041, APP
 Sequence 1042, APP
 Sequence 1043, APP
 Sequence 1044, APP
 Sequence 1045, APP
 Sequence 1046, APP
 Sequence 1047, APP
 Sequence 1048, APP
 Sequence 1049, APP
 Sequence 1050, APP
 Sequence 1051, APP
 Sequence 1052, APP
 Sequence 1053, APP
 Sequence 1054, APP
 Sequence 1055, APP
 Sequence 1056, APP
 Sequence 1057, APP
 Sequence 1058, APP
 Sequence 1059, APP
 Sequence 1060, APP
 Sequence 1061, APP
 Sequence 1062, APP
 Sequence 1063, APP
 Sequence 1064, APP
 Sequence 1065, APP
 Sequence 1066, APP
 Sequence 1067, APP
 Sequence 1068, APP
 Sequence 1069, APP
 Sequence 1070, APP
 Sequence 1071, APP
 Sequence 1072, APP
 Sequence 1073, APP
 Sequence 1074, APP
 Sequence 1075, APP
 Sequence 1076, APP
 Sequence 1077, APP
 Sequence 1078, APP
 Sequence 1079, APP
 Sequence 1080, APP
 Sequence 1081, APP
 Sequence 1082, APP
 Sequence 1083, APP
 Sequence 1084, APP
 Sequence 1085, APP
 Sequence 1086, APP
 Sequence 1087, APP
 Sequence 1088, APP
 Sequence 1089, APP
 Sequence 1090, APP
 Sequence 1091, APP
 Sequence 1092, APP
 Sequence 1093, APP
 Sequence 1094, APP
 Sequence 1095, APP
 Sequence 1096, APP
 Sequence 1097, APP
 Sequence 1098, APP
 Sequence 1099, APP
 Sequence 1100, APP
 Sequence 1101, APP
 Sequence 1102, APP
 Sequence 1103, APP
 Sequence 1104, APP
 Sequence 1105, APP
 Sequence 1106, APP
 Sequence 1107, APP
 Sequence 1108, APP
 Sequence 1109, APP
 Sequence 1110, APP
 Sequence 1111, APP
 Sequence 1112, APP
 Sequence 1113, APP
 Sequence 1114, APP
 Sequence 1115, APP
 Sequence 1116, APP
 Sequence 1117, APP
 Sequence 1118, APP
 Sequence 1119, APP
 Sequence 1120, APP
 Sequence 1121, APP
 Sequence 1122, APP
 Sequence 1123, APP
 Sequence 1124, APP
 Sequence 1125, APP
 Sequence 1126, APP
 Sequence 1127, APP
 Sequence 1128, APP
 Sequence 1129, APP
 Sequence 1130, APP
 Sequence 1131, APP
 Sequence 1132, APP
 Sequence 1133, APP
 Sequence 1134, APP
 Sequence 1135, APP
 Sequence 1136, APP
 Sequence 1137, APP
 Sequence 1138, APP
 Sequence 1139, APP
 Sequence 1140, APP
 Sequence 1141, APP
 Sequence 1142, APP
 Sequence 1143, APP
 Sequence 1144, APP
 Sequence 1145, APP
 Sequence 1146, APP
 Sequence 1147, APP
 Sequence 1148, APP
 Sequence 1149, APP
 Sequence 1150, APP
 Sequence 1151, APP
 Sequence 1152, APP
 Sequence 1153, APP
 Sequence 1154, APP
 Sequence 1155, APP
 Sequence 1156, APP
 Sequence 1157, APP
 Sequence 1158, APP
 Sequence 1159, APP
 Sequence 1160, APP
 Sequence 1161, APP
 Sequence 1162, APP
 Sequence 1163, APP
 Sequence 1164, APP
 Sequence 1165, APP
 Sequence 1166, APP
 Sequence 1167, APP
 Sequence 1168, APP
 Sequence 1169, APP
 Sequence 1170, APP
 Sequence 1171, APP
 Sequence 1172, APP
 Sequence 1173, APP
 Sequence 1174, APP
 Sequence 1175, APP
 Sequence 1176, APP
 Sequence 1177, APP
 Sequence 1178, APP
 Sequence 1179, APP
 Sequence 1180, APP
 Sequence 1181, APP
 Sequence 1182, APP
 Sequence 1183, APP
 Sequence 1184, APP
 Sequence 1185, APP
 Sequence 1186, APP
 Sequence 1187, APP
 Sequence 1188, APP
 Sequence 1189, APP
 Sequence 1190, APP
 Sequence 1191, APP
 Sequence 1192, APP
 Sequence 1193, APP
 Sequence 1194, APP
 Sequence 1195, APP
 Sequence 1196, APP
 Sequence 1197, APP
 Sequence 1198, APP
 Sequence 1199, APP
 Sequence 1200, APP
 Sequence 1201, APP
 Sequence 1202, APP
 Sequence 1203, APP
 Sequence 1204, APP
 Sequence 1205, APP
 Sequence 1206, APP
 Sequence 1207, APP
 Sequence 1208, APP
 Sequence 1209, APP
 Sequence 1210, APP
 Sequence 1211, APP
 Sequence 1212, APP
 Sequence 1213, APP
 Sequence 1214, APP
 Sequence 1215, APP
 Sequence 1216, APP
 Sequence 1217, APP
 Sequence 1218, APP
 Sequence 1219, APP
 Sequence 1220, APP
 Sequence 1221, APP
 Sequence 1222, APP
 Sequence 1223, APP
 Sequence 1224, APP
 Sequence 1225, APP
 Sequence 1226, APP
 Sequence 1227, APP
 Sequence 1228, APP
 Sequence 1229, APP
 Sequence 1230, APP
 Sequence 1231, APP
 Sequence 1232, APP
 Sequence 1233, APP
 Sequence 1234, APP
 Sequence 1235, APP
 Sequence 1236, APP
 Sequence 1237, APP
 Sequence 1238, APP
 Sequence 1239, APP
 Sequence 1240, APP
 Sequence 1241, APP
 Sequence 1242, APP
 Sequence 1243, APP
 Sequence 1244, APP
 Sequence 1245, APP
 Sequence 1246, APP
 Sequence 1247, APP
 Sequence 1248, APP
 Sequence 1249, APP
 Sequence 1250, APP
 Sequence 1251, APP
 Sequence 1252, APP
 Sequence 1253, APP
 Sequence 1254, APP
 Sequence 1255, APP
 Sequence 1256, APP
 Sequence 1257, APP
 Sequence 1258, APP
 Sequence 1259, APP
 Sequence 1260, APP
 Sequence 1261, APP
 Sequence 1262, APP
 Sequence 1263, APP
 Sequence 1264, APP
 Sequence 1265, APP
 Sequence 1266, APP
 Sequence 1267, APP
 Sequence 1268, APP
 Sequence 1269, APP
 Sequence 1270, APP
 Sequence 1271, APP
 Sequence 1272, APP
 Sequence 1273, APP
 Sequence 1274, APP
 Sequence 1275, APP
 Sequence 1276, APP
 Sequence 1277, APP
 Sequence 1278, APP
 Sequence 1279, APP
 Sequence 1280, APP
 Sequence 1281, APP
 Sequence 1282, APP
 Sequence 1283, APP
 Sequence 1284, APP
 Sequence 1285, APP<br

TELEPHONE: (617)227-7400
 TELEFAX: (617)227-5941
 INFORMATION FOR SEQ ID NO: 833:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 325 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 HYPOTHETICAL: YES
 ORIGINAL SOURCE:
 ORGANISM: *Helicobacter pylori*
 US-08-487-032A-833

Query Match 8.5%; Score 67.5; DB 1; Length 325;
 Best Local Similarity 22.0%; Pred. No. 0.12; Mismatches 50; Indels 27; Gaps 4;
 Matches 27; Conservative 19; Mismatches 27; Indels 36; Gaps 9;

Qy 23 AEGDGWVIGTNWQLGQARLNINNIYNGDCGSSVGCPPGLTANKNPGGTINWHSKAN 82
 Db 186 SENGGFNNQNSKNTIKDSLVLNNLFLNTYLRGGMN-----NKHFGTQAVNW----- 231

Qy 83 GANNGIGL-----NGVKKFFPKSLDNTSKWFGFRVYGLFQHADLGKQVAPN 133
 Db 232 --LKGQCFRVRNPTDIONYMDLSYQINDSKNITFQVSYFLDPG--SGLIAVNQ 287

Qy 134 KIQ 136
 Db 288 RFQ 290

RESULT 5
 US-08-487-032A-498
 Sequence 498 Application US/08487032A
 GENERAL INFORMATION:
 APPLICANT: DOUGLAS SMITH
 TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES
 TITLE OF INVENTION: RELATING TO HELICOBACTER PYLORI FOR
 TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS
 NUMBER OF SEQUENCES: 880
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: LAHIVE & COCKFIELD
 STREET: 60 State Street
 CITY: Boston
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02109-1875

COMPUTER READABLE FORM:
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patient Release #1.0, version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/487,032A
 FILING DATE: 07-JUNE-1995
 ATTORNEY/AGENT INFORMATION:
 NAME: Mandragouras, Amy E.
 REGISTRATION NUMBER: 36,207
 REFERENCE/DOCKET NUMBER: GTN-001
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617)227-7400
 TELEFAX: (617)227-5941
 INFORMATION FOR SEQ ID NO: 708:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 560 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 HYPOTHETICAL: YES
 ORIGINAL SOURCE:
 ORGANISM: *Helicobacter pylori*
 FEATURE:
 NAME/KEY: misc. feature
 LOCATION: 1..560
 OTHER INFORMATION: /note= "vacuolating cytotoxin"
 US-08-487-032A-708

Query Match 7.0%; Score 55.5; DB 1; Length 560;
 Best Local Similarity 25.9%; Pred. No. 3.2; Mismatches 15; Indels 11; Gaps 1;
 Matches 9; Conservative 23; Mismatches 23; Indels 11; Gaps 1;

Qy 6 KHNPGGTINWHSKANGLANGFGLANGVKKFFPKSLDNTSKWFGFRVYGLFQH 123
 Db 289 KNNWATGVGAGSPISGGTMTLYGNGYDRF-----GVIVGGAAYGYS 335

RESULT 7
 US-08-487-032A-632

ORIGINAL SOURCE: Helicobacter pylori
 US-08-487-032A-777

Query Match 6.1%; Score 49; DB 1; Length 155;
 Best Local Similarity 20.3%; Pred. No. 3; Mismatches 17; Indels 36; Gaps 3;
 Matches 16; Conservative 10; Mismatches 15; Indels 4; Gaps 2;

QY 101 KSLDMTSKW-----FGFVVGKPFQFKS 102
 Db 14 RSKALTRSWGINFSKLNTLAYAFMGFFDYAHSNSIKLKNPNSRAQVASQIUGKQEIN 73
 QY 129 ---VVAAPNKIQLDWVSWG 143
 Db 74 RLNTADPRTFEPNMLTYG 92

RESULT 10
 US-08-487-032A-473

; Sequence 473, Application US/08487032A

; GENERAL INFORMATION:

; APPLICANT: DOUGLAS SMITH

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
 RELATING TO HELICOBACTER PYLORI FOR
 DIAGNOSTICS AND THERAPEUTICS

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
 RELATING TO HELICOBACTER PYLORI FOR
 DIAGNOSTICS AND THERAPEUTICS

; NUMBER OF SEQUENCES: 880

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: LAHIVE & COCKFIELD

; STREET: 60 State Street

; CITY: Boston

; STATE: Massachusetts

; COUNTRY: USA

; ZIP: 02109-1875

COMPUTER READABLE FORM:

COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/487, 032A

FILING DATE: 07-JUNE-1995

ATTORNEY/AGENT INFORMATION:

NAME: Mandragouras, Amy E.

REGISTRATION NUMBER: 36, 207

REFERENCE/DOCKET NUMBER: GTN-001

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617)227-7400
 TELEFAX: (617)227-5941

INFORMATION FOR SEQ ID NO: 663:

SEQUENCE CHARACTERISTICS:

LENGTH: 214 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

HYPOTHETICAL: YES

ORIGINAL SOURCE:

ORGANISM: Helicobacter pylori

US-08-487-032A-663

Query Match 5.8%; Score 46; DB 1; Length 214;
 Best Local Similarity 46.2%; Pred. No. 8.5; Mismatches 2; Indels 6; Gaps 1;
 Matches 12; Conservative 2; Mismatches 6; Indels 6; Gaps 1;

QY 89 GLANV-----GYKKERQFKQFSKLDMSK 108
 Db 129 GLANVLEQINBEVKDQFTPEFISISTMK 154

RESULT 12
 US-08-487-032A-671

; Sequence 671, Application US/08487032A

; GENERAL INFORMATION:

; APPLICANT: DOUGLAS SMITH

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
 RELATING TO HELICOBACTER PYLORI FOR
 DIAGNOSTICS AND THERAPEUTICS

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES
 RELATING TO HELICOBACTER PYLORI FOR
 DIAGNOSTICS AND THERAPEUTICS

; NUMBER OF SEQUENCES: 880

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: LAHIVE & COCKFIELD

; STREET: 60 State Street

; CITY: Boston

; STATE: Massachusetts

; COUNTRY: USA

; ZIP: 02109-1875

COMPUTER READABLE FORM:

COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/487, 032A

RESULT 11

Query Match 6.1%; Score 49; DB 1; Length 1178;
 Best Local Similarity 44.4%; Pred. No. 31; Mismatches 15; Indels 4; Gaps 2;
 Matches 16; Conservative 1; Mismatches 15; Indels 4; Gaps 2;

QY 71 GNNINHNSKY--ANGALNGF-GLNNVYKKPFQFKS 102
 Db 745 GINPEWISKVENLNAAINEFKGKNDPSKTVQAKS 780

RESULT 11

QY	65	NKHNPGGNTINWHISKWANG --- ALING --- PGUNVGKKPFQKSLDMTSKWPGRVY	115
QY	35	NTLSPWSENTEYTGTTAAGYLRPLGIVMAMFGDKGRKONNFMSTLIMVTPTFALAM	94
QY	116	GLFDYGHADLGKQVAPNKLQDLMVSMGVGSI	147
QY	95	PTEN-----DLVSGFGVDSM	108

US-08-487-032A-573
; Sequence 573, Application US/08487032A
: GENERAL INFORMATION:

OTHER INFORMATION: /note== "ToxR-activated (tage) gene
; US-08-487-032A-573

Query Match	5.5%	Score 44;	DB 1;	Length 308;
Best Local Similarity	20.2%	Pred. No. 20;		
Matches	24;	Conservative	19;	Mismatches
				42;
			Indels	34;
			Gaps	5
QY	15	AVLISSLLAEGDGV--YIGTNVQLGQARL-----NSNIYTGDC	-----GS	54
	172	APLNTVYASADGIVDPFKTRSNAGYGNLVRTEHAFGESSLYTHLDKRNWQPKSFIQKQ	231	
QY	55	VVGCPPLTANKHNPGGTNINMH-----SKYANGALNGPGLANVGKKFQPKSL	103	
	232	LI---GYSKGSGNNSGGEKLHVERFLGLKILDAEKFLAWLDLDRHQSALBENKFIEWKL	286	

Search completed: April 29, 2004, 14:59:58
Job time : 4 secs